

CLAIMS

1. ~~A film-integrated gasket, which comprises a resin film and a rubber layer having an adhesiveness to the resin film, molded on the resin film and formed into an inverted T-type stepped wall cross-section.~~

2. ~~A film-integrated gasket according to Claim 1, wherein the resin film has a thickness of about 10~about 500 μm .~~

3. ~~A film-integrated gasket according to Claim 1, wherein the rubber layer having an adhesiveness to the resin film is a rubber layer molded from liquid or paste rubber.~~

4. ~~A film-integrated gasket according to Claim 3, wherein the liquid or paste rubber is silicone rubber.~~

5. ~~A film-integrated gasket according to Claim 4, wherein the silicone rubber is addition reaction type silicone rubber.~~

6. ~~A film-integrated gasket according to Claim 3, wherein the rubber layer is a rubber layer having a low JIS A hardness of 70 or less.~~

7. ~~A film-integrated gasket according to Claim 3, wherein the rubber layer is a rubber layer having a low JIS A hardness of about 10~about 40.~~

8. ~~A film-integrated gasket according to Claim 1 for use as a thin seal.~~

9. ~~A film-integrated gasket according to Claim 8 for use in a fuel cell, a secondary battery or a condenser.~~

10. ~~A static gasket for sealing fluids, said gasket comprising:~~

~~a carrier member; and~~

~~an elastomeric polymer member disposed on said carrier member, said polymer member having an adhesive component which bonds to said carrier member and prevents contamination of the fluid being sealed.~~

whereby said carrier member and said elastomeric member having a thickness, ~~said thickness in the range of about 0.01 to 10 mm and absent a separate adhesive member between said elastomeric polymer member and said carrier member.~~

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11. A static gasket as claimed in Claim 10 wherein said carrier having a thickness ~~between about 10 to 500 μm .~~

12. A static gasket as claimed in Claims 10 wherein said elastomeric polymer member is selected from a group of silicone, fluorosilicone, nitrile rubber and EPDM.

13. A static gasket as claimed in Claim 10 wherein said elastomeric polymer member having a JIS A hardness between about ~~10 to 70~~.

14. A static gasket as claimed in Claim 10 further comprising: ~~a compression limiter adjacent to said elastomeric polymer member to limit the compression on said elastomeric polymer member.~~

15. A static gasket for sealing fluids, said gasket comprising: ~~a carrier member, and a self-bonding elastomer member formed on said carrier member, said elastomer member bonding to said carrier member absent a separate layer of adhesive between said elastomer member and said carrier member prior to disposing said elastomer member on said carrier, said self-bonding elastomer preventing contamination of the fluid being sealed.~~

16. A static gasket as claimed in Claim 15 further comprising: ~~a compression limiter adjacent to said elastomeric polymer member to limit the compression on said elastomeric polymer member.~~

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17. A static gasket as claimed in Claim 15 herein said elastomeric polymer member is selected from a group of silicone, fluorosilicone, nitrile

rubber and EPDM.

18. A static gasket as claimed in Claim 16 herein said carrier having a thickness between about 10 to 500 μm .

19. A static gasket as claimed in Claim 16 wherein said carrier member and said elastomeric member having a thickness, said thickness in the range of about 0.1 to 10 mm.

20. A static gasket as claimed in Claim 16 wherein said carrier member is made of a polymer film, said polymer film selected from the group of polyester, polyimide, and polamide.

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